

Title (en)  
CRANE, ESPECIALLY FOR USE IN FOUNDRIES

Publication  
**EP 0032969 B1 19831228 (DE)**

Application  
**EP 80100649 A 19800208**

Priority  
DE 3000176 A 19800104

Abstract (en)  
[origin: EP0032969A1] 1. A crane, in particular for use in foundries for moving, turning and transporting objects (31), in particular molds which are under vacuum and produced according to the V-method, with a crane bridge (5) supported by two head supports (7), whose running wheels (6) roll on crane rails (3), and with at least one crane carriage (10) which can be moved on the crane bridge (5) and has a lifting device (34) for the objects (31) to be transported, characterized in that at least one cogwheel (8), which meshes with a rack (4) disposed parallel to the crane rails (3) is attached on each head support (7), in that the crane carriage (10) is provided with at least one cogwheel (13), which meshes with a rack (12) disposed on the crane bridge (5), in that the crane has a device for repeatably moving the positions determined by the cogwheels (8, 13) and racks (4, 12), in that a gripping device (20) connected to the lifting device (34) and laterally guided in all directions is fixed on the crane carriage (10) and is rotatable about a vertical axis (19), in that the gripping device (20) has two couplings (24, 25) which are disposed horizontally and opposite to each other and can be moved towards each other, and in that the couplings are rotatable about a common horizontal axis.

IPC 1-7  
**B66C 17/06**; **B22D 33/00**

IPC 8 full level  
**B22D 33/00** (2006.01); **B66C 17/06** (2006.01)

CPC (source: EP)  
**B22D 33/00** (2013.01); **B66C 17/06** (2013.01)

Citation (examination)

- US 4151922 A 19790501 - KRUMME WERNER [US]
- DE 154684 C
- DE 135047 C
- AT 215634 B 19610612 - WIENER BRUECKENBAU
- FR 1477359 A 19670414 - BOFORS AB

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Designated contracting state (EPC)  
AT CH FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0032969 A1 19810805**; **EP 0032969 B1 19831228**; AT E5708 T1 19840115; DE 3000176 A1 19810709

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